

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Niranjan Damera-Venkata

Confirmation No.:

Application No.:

Examiner:

Filing Date: Herewith

Group Art Unit:

Title: MOTION ESTIMATION FOR COMPRESSING MULTIPLE VIEW IMAGES

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.97(b), or  
(Within three months of filing national application; or date of entry of national application; or before mailing date of first office action on the merits; whichever occurs last)
- ☐ under 37 CFR 1.97(c) together with either a:
  - ☐ Statement under 37 CFR 1.97(e), or
  - ☐ a \$180.00 fee under 37 CFR 1.17(p), or  
(After the 37 CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d) together with a:
  - ☐ Statement under 37 CFR 1.97(e)(1) or (2), and
  - ☐ a \$180.00 fee set forth in 37 CFR 1.17(p).  
(Filed after final action, a notice of allowance, on or before payment of the issue fee)

Please charge to Deposit Account **08-2025** the sum of \$0.00. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

☒ Applicant(s) submit herewith Form PTO 1449 - Information Disclosure Citation together with copies, of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individuals(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed herewith.

It is requested that the information disclosed herein be made of record in this application.

"Express-Mail" label no: **ER212308355US**

Date of Deposit **Jan. 30, 2004**

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, Alexandria, VA 22313-1450.

By

Typed Name: **Edouard Garcia**

Respectfully submitted,

**Niranjan Damera-Venkata**

By

**Edouard Garcia**

Attorney/Agent for Applicant(s)

Reg. No. **38,461**

Date: **Jan. 30, 2004**

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	ATTY. DOCKET NO. <b>200207765-1</b>	APPLICATION NO.	CONFIRMATION NO.
	APPLICANT <b>Niranjan Damera-Venkata</b>		
	FILING DATE <b>Herewith</b>	GROUP	

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
	1A	6,542,547	Apr. 1, 2003	Wong	
	1B	6,339,617	Jan. 15, 2002	Ueda	
	1C	5,953,458	Sep. 14, 1999	Pirson et al.	
	1D	5,793,985	Aug. 11, 1998	Natarajan et al.	
	1E	5,535,288	July 9, 1996	Chen et al.	
	1F	2003/0044048	Mar. 6, 2003	Zhang et al.	
	1G				
	1H				
	1I				
	1J				
	1K				

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	NAME OF PATENTEE OR APPLICANT	Pages/Columns/Lines Where Relevant Passages/Figures Appear	Check if Translation attached
	1L	WO 03/43342	May 22, 2003	Hantro Products Oy		
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	1Q	M. Magnor et al., "Data compression for light-field rendering," Transactions Letters, IEEE Transactions on circuits and systems for video technology, Vol. 10, no. 3, pp. 338-343 (April 2000).
	1R	M. Magnor et al., "Model-based coding of multi-viewpoint imagery," SPIE Conference Proceedings visual communications and image processing, Perth Australia, pp. 14-22 (June 2000).
	1S	M. Magnor et al., "Hierarchical coding of light fields with disparity maps," IEEE conference proceedings: International conference on image processing, Kobe, JP, Vol. 3, pp. 334-338 (Oct. 1999).

EXAMINER

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	2A				
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	2L					
	2M					
	2N					
	2O					
	2P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

	2Q	M. Magnor et al., "Multi-view image coding with depth maps and 3-D geometry for prediction," SPIE conference proceedings: Visual communications and image processing, San Jose, CA pp. 273-271 (Jan. 2001).
	2R	M. Levoy et al., "Light field rendering," Proc. ACM SIGGRAPH '96, 12 pages (1996).
	2S	

EXAMINER

DATE CONSIDERED